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A B S T R A C T

The wheel assembly comprises:

- a wheel having a rim adapted to receive a tire,
- 5 the wheel carrying a sensor for measuring pressure inside the tire;
- a spindle around which the wheel is mounted to rotate; and
- communication means between the sensor and means
- 10 associated with the spindle for making use of measurements performed by the sensor.

Said communication means comprise radio transmission means including a rotary antenna carried by the wheel and a fixed antenna carried by the spindle.

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